

ABSTRACT

GENE TRANSFER VECTOR SYSTEM DERIVED FROM COXSACKIE VIRUS

The invention relates to a recombinant RNA molecule that can at least partially be translated in a target cell that contains a non-infectious Coxsackie virus group B virus genome, preferably of the B3 serotype, and at least one foreign gene that induces a desired function in the target cell, for example within the context of a genetic therapy. The RNA molecule can be encoded by a vector plasmid and/or can be packaged as a genome into a virion by which the target cell can then be infected. The invention further relates to methods for producing the RNA molecule, the virions and the vector plasmid, and to corresponding kits.